

Abstract of the Disclosure

A method of treating bone tissue damage is provided which includes applying a reduced pressure to a damaged bone tissue sufficient in time and magnitude to promote healing of the damaged bone tissue. A bone tissue treatment apparatus is provided in which a cover is sealed over a bone tissue site. A screen in the form of an open-cell foam screen or a rigid porous screen may be placed beneath the tissue cover over the damaged bone tissue. A vacuum pump supplies suction within the tissue cover over the treatment site. The cover may be sealed over an area of intact skin above damaged bone tissue. The vacuum pump supplies reduced pressure within the tissue cover over the area of intact skin to treat the damaged bone tissue beneath the area of skin.